Solutions to Five Questions:

*1. The constant speed of an electromagnetic wave in space is a consequence   
 of which central principle in physics?*

The Conservation of Energy! Energy cannot be created or destroyed, only change forms . . .

*2. What does a changing magnetic field induce?* A changing magnetic field induces a current, which produces an electrical field.

*3.  What does a changing electric field induce?*  
 A changing electrical field, a current, induces a magnetic field.

 *4.  What produces electromagnetic waves?* A vibrating electric charge – an electron, proton, charged atom or  
 molecule.

*5.   What do electric and magnetic fields contain and transport?*  
 All fields contain and transport ENERGY!